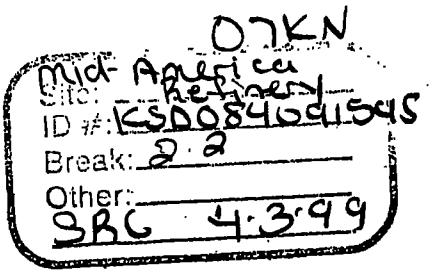
U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE PROGRESS REPORT



I. HEADING

Date: April 3, 1999

From: Janice J. Kroone, OSC
U.S. EPA, Region VII

To: Robin M. Anderson, Acting Director (5203G)
Regions 5/7 Accelerated Response Center

Subject: Mid-America Refinery Company (MARCO)
Chanute, Neosho County, Kansas

Report: #7

II. BACKGROUND

Site ID: KN
CERCLIS ID#: KSD084091545
Contract Number: 68-S7-7001
Delivery Order Number: 0024
Response Authority: CERCLA
Category of Removal: Time Critical
NPL Status: Non-NPL
State Notification: KDHE Notified
Date Action Memo Signed: June 29, 1998
Date Action Memo Amended: August 13, 1998
Mob Date: July 7, 1998
Demobilization Date: N/A
Completion Date: N/A

III. SITE INFORMATION

A. Incident Category

CERCLA incident category: This site is an abandoned oil refinery located north of a residential area.

B. Site Description

1. The Mid-America Refinery Company (MARCO) site is located in Neosho County, Kansas, north of the city limits of Chanute. This site is a 25-acre abandoned oil refinery that operated as a crude oil processor from 1934 until it was shut down in February 1981. Suspected asbestos containing material (ACM) was discovered onsite during the course of an Oil Pollution Act (OPA) removal which began in February 1998. Salvagers had damaged the old boiler onsite and had partially dismantled it. Salvaging activities resulted in damage to the integrity of the skin of the boiler thus exposing the insulation material inside.

Analytical sample analysis confirmed that the insulation in the boilers was asbestos. Two burners onsite were found to contain asbestos in several gaskets and in insulation located between bricks. An asbestos dump area was also found on site. This material is in poor condition, friable and is open to the environment and therefore can cause a release of asbestos fibers.

Petroleum contaminated soils extend under the buildings onsite. These buildings are not structurally sound and are in disrepair. The state of Kansas has given approval to bury brick and concrete onsite. Because the groundwater is shallow in the east portion of the site, sampling was done on the painted surfaces of the buildings to ensure that the paint on the bricks did not pose a leaching problem. Several of the buildings have peeling paint and laboratory analysis found that the paint failed the Toxicity Characteristic Leaching Procedure ("TCLP") analysis for lead. TCLP lead was found on corrugated tin on the outside of one building. This paint was chipping off. The tin can not be buried onsite and must be shipped to a construction and demolition landfill for disposal.

During removal activities at the site, a burial area approximately 250' x 140' x 11' was found to the north of the old oil water separator on the east portion of the property. Information from a former employee, indicates this buried material came from the clean out of various tanks on site. Petroleum sludge was found in this burial area. This sludge was sampled and found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure ("TCLP") for lead.

The original action memo was amended on August 13, 1998 to allow for a change in the removal work plan and an increase of funds for the excavation of approximately 14,300 cubic yards of petroleum sludge which was found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure (TCLP) for lead. This material was found in a burial pit on site.

2. Description of Threat

See POLREP#1 for description of threat.

C. Previous Site Actions

1. Investigative History

See POLREP# 1 for complete investigative history.

2. Past removal actions

See MARCO OPA POLREPs for complete details of OPA removal.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

This POLREP covers the period from February 1 - March 31, 1999. Temperatures during this time frame ranged from the 30s to the mid 70s.

2. Removal Activities to Date

Asbestos removal work was completed on September 4. A total of 80 cubic yards of asbestos material was sent to the Allen County Landfill.

Two loads (1.09 tons) of nonfriable asbestos pipe was shipped to the Allen County Landfill.

Pile 63, untreated failed TCLP for lead (5.1 ug/L). This pile was treated with Enviroblend, resampled, approved to ship to the ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

A total of 19 loads, 459.38 tons was shipped to ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

3. Enforcement

See POLREP #1 for enforcement details.

B. Next Steps

Complete backfilling excavation areas.

C. Key Issues

None

V. COST INFORMATION (as of March 31, 1999)

A. Extramural Costs:

1. ERRS Contractor

Current Amount in Delivery Order	$1,121,812
Costs to date (not including awaits)	1,016,383
DELIVERY ORDER CEILING BALANCE	105,429
PERCENT OF ERRS FUNDS REMAINING	9%

2. START Contractor

Current Ceiling	57,500
Costs to date	8,950
CEILING BALANCE	48,550
PERCENT OF START FUNDS REMAINING	84%
TOTAL EXTRAMURAL CEILING	$1,179,312
TOTAL EXTRAMURAL COSTS TO DATE	1,025,333
TOTAL EXTRAMURAL CEILING BALANCE	$ 153,979

B. Intramural Costs:

Current Ceiling	$25,000
Actual Costs to date	13,521
TOTAL INTRAMURAL CEILING BALANCE	11,479

TOTAL PROJECT CEILING	$1,204,312
TOTAL EXTRAMURAL AND INTRAMURAL COST TO DATE	1,038,854
TOTAL PROJECT CEILING REMAINING	$ 165,458
PERCENT OF PROJECT CEILING REMAINING	14%

The above accounting of expenditures is an estimate based on figures known to the EPA OSC at the time this POLREP was written. It reflects costs EPA costs incurred onsite.

VI. DISPOSITION OF WASTES

80 Cubic yards of asbestos material was removed from this site and sent to the Allen County Landfill.

Two loads (1.09 tons) of nonfriable asbestos pipe was delivered to the Allen County Landfill.

A total of 793 loads, 20,920.59 tons of stabilized lead contaminated soil was shipped to the ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

A total of 135 loads, 466,545 gallons of lead contaminated water was sent to Consolidated in Chanute, Kansas for treatment.

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